

SUMMER VACATION HOLIDAY HOMEWORK FOR CLASS X(2019)

1. Learn Chapters 1 and 10
2. **TYPES OF REACTIONS: Definition and one example for each**
 - A. Combination reaction
 - B. Decomposition reaction
 - C. Displacement reaction
 - D. Double displacement reaction
 - E. Exothermic reaction
 - F. Endothermic reaction
 - G. Photosynthesis reaction
 - H. Respiration reaction
 - I. Oxidation reaction
 - J. Reduction reactions
 - K. Redox reaction
 - L. Corrosion reaction
3. **A. Rules of Reflection and Refraction**
 - B. Image formation by lens and mirror:
 - * Concave mirror : when objects position at:
 - A. At infinity
 - B. Beyond C
 - C. At C
 - D. Between C and F
 - E. At F
 - F. Between F and P

 - * Convex mirror: when objects position at:
 - A. At infinity
 - B. Between infinity and P

 - * Convex lens: when objects position at:
 - A. At infinity
 - B. Beyond C
 - C. At C
 - D. Between C and F
 - E. At F
 - F. Between F and P

 - * Concave lens: when objects position at:
 - A. At infinity
 - B. Between infinity and P

Formed Ray diagram for all of above conditions and also write four characteristics for each condition.

4. Make labelled diagram :

- A. Human alimentary canal(gut)
- B. Human Respiratory system
- C. Human excretory system
- D. Human circulatory system(internal & external both)
- E. Human brain
- F. Human Nerve system
- G. Human endocrine glands
- H. Nutrition in amoeba
- I. Leaf of plant
- J. Human eye

5. Make a proper short notes on these topic:

- A. Green House effect
- B. Ozone layer deflection
- C. Global warming
- D. Solar power plant
- E. Water Harvesting
- F. Dams

6. Describe the following terms with suitable reactions :

- A. Aerobic Respiration
- B. Anaerobic Respiration
- C. Fermentation